

Claims

1. Computer system (999), comprising, at least a first application system (901) and a second application system (902) and a database system (900), each application system running at least one application service for at least one application system user; said computer system (999) characterized in that: the database system has at least a first memory portion (920-1) and a second memory portion (920-2), wherein the memory portions are disjunctive;
- the database system (900) stores at least a first assignment of a first predetermined profile (110) to the first memory portion (920-1) and at least a second assignment of a second predetermined profile (111) to the second memory portion (920-2), wherein the first and second profiles (110, 111) are unique and refer to the first and second application systems (901, 902), respectively;
- the first application system (901) and the second application system (902) access the first memory portion (920-1) and the second memory portion (920-2), respectively, through the corresponding profiles (110, 111).
2. The computer system (999) of claim 1, wherein the memory portions (920-1, 920-2) store tables (190-193) of the database system (900).
3. The computer system (999) of claim 1, wherein the database system (900) is a parallel server system.

4. The computer system (999) of claim 1, wherein the database system (900) is a relational database system.
- 5 5. The computer system (999) of claim 1, wherein the database system (900) uses shared memory processors.
6. The computer system (999) of claim 5, wherein the database system (900) uses an operating system that  
10 creates multiple logical groups of processors.
7. The computer system (999) of claim 6, wherein each group of processors is assigned to one application system.

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8. A method (400) for communication with a database system (900),  
the method (400) comprising the steps:  
providing (410) at least a first application system  
5 (901) and a second application system (902),  
wherein each application system runs at least one  
application service for a plurality of users  
(801, 802) of the application system (901, 902);  
connecting (420) the database system (900) with at  
10 least the first application system (901) and the  
second application system (902);  
dividing (430) a memory (920) of the data base system  
(900) into at least a first memory portion (920-  
1) and a second memory portion (920-2), both  
15 portions being disjunctive;  
assigning (440) first and second memory portions  
(920-1, 920-2) to first and second application  
systems (901, 902), respectively; and  
accessing (450) first and second memory portions  
20 (920-1, 920-2) by the first and second  
application systems, respectively (901, 902).
9. The method of claim 8, wherein in the dividing step  
(430), the memory portions (920-1, 920-2) store  
25 tables (190-193) of the database system (900).
10. The method of claim 8, wherein in the assigning step,  
at least one predefined, unique profile of the  
database is assigned to each memory portion (920-1,  
30 920-2).

11. The method of claim 10, wherein in the assigning step, each predefined profile (920-1, 920-2) is assigned to one of the application systems (901, 902).

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12. The method of claim 11, wherein in the accessing step, each application system (901, 902) accesses the database system (900) through at least one of the predefined profiles that are assigned to the application system (901, 902).

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13. The method of claim 8, wherein in the accessing step, accessing is selected from the group of read, write, copy, modify, insert, append and delete.

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14. Application system to database system assignment scheme (180-182), used in a system landscape (900,901,902,990) in that a first application system (901) provides business application services to a first plurality of application users (801); at least a second application system (902) provides business application services to a second plurality of application users (802); the assignment scheme being characterized by a first assignment (180) of a database system (900) that provides database services to a first profile (110) and at least a second profile (111); by further assignments (181, 182) wherein the first application system (901) is assigned to the first profile (110), and the second application system (902) is assigned to the second profile (111).
15. The assignment scheme of claim 14, wherein the first and second profiles are assigned (180) to disjunctive memory portions (920-1, 920-2) in a memory (920) of the database system (900).

16. A computer program product (100/101/102) causing a plurality of processors (910, 911, 912) to provide an application system to database system assignment scheme (180-182), the computer program product (100/101/102) characterized in that

5 a first program portion (100) causes a processor (910) of a database system (900) to disjunctively partition a memory (920) of the database system (900) into a first memory portion (920-1) and at least a second memory portion (920-2) and to

10 provide a first database profile (110) and at least a second database profile (111), where the first and second profiles (110, 111) are assigned to the first and second memory portions (920-1, 920-2), respectively;

15 a second program portion (101) causes a processor (911) of a first application system (901) to provide at least a first business application service to a first plurality of application users and to use at least the first database profile (110) to communicate data from the first

20 application system (901) to the database system (900); and

25 at least a third program portion (102) causes a processor (912) of at least a second application system (902) to provide at least a second business application service to a second plurality of application users and to use at least the second database profile (111) to

30 communicate data from the second application system (902) to the database system (900).

17. Computer program product (101/102) causing a  
processor (911/912) in a computer of an application  
system (901/902) that executes at least one business  
application service to communicate with a database  
5 computer (900), the computer program product  
(101/102) characterized in that it causes the  
processor (911/912) to communicate with the database  
computer by using a unique profile (110/111) that is  
assigned (180-183) to the application system, the  
10 database computer (900) having a memory (920)  
logically partitioned into a first portion (920-1)  
and at least a second portion (920-2), the portions  
being disjunctive, so that the first portion (920-1)  
is reserved for data of the application system (901)  
15 and the second portion is reserved for data of at  
least one further application system (902) that is  
run by a further computer.

18. A computer-readable medium having a plurality of sequences of instructions stored thereon which, when executed by one or more processors, perform the steps of:

5 causing a processor (910) of a database system (900) to disjunctively partition a memory (920) of the database system (900) into a first memory portion (920-1) and at least a second memory portion (920-2) and to provide a first database profile (110) and at least a second database profile (111), where the first and second profiles (110, 111) are assigned to the first and second memory portions (920-1, 920-2), respectively;

10 causing a processor (911) of a first application system (901) to provide at least a first business application service to a first plurality of application users and to use at least the first database profile (110) to communicate data from the first application system (901) to the database system (900); and

15 causing a processor (912) of at least a second application system (902) to provide at least a second business application service to a second plurality of application users and to use at least the second database profile (111) to communicate data from the second application system (902) to the database system (900).